

## United States Patent [19]

Hatano et al.

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[54] COURSE GUIDANCE SYSTEM WITH  
SPEEDED-UP DISPLAY FUNCTION

[75] Inventors: Itaru Hatano, Morioka; Kenji Takahashi; Shigeru Hirosawa, both of Takizawa; Mikio Kanda, Tamayama; Shinichiro Yasui, Tokyo; Akira Ichikawa, Wakoh; Teruo Mimori; Toshio Sasaki, both of Yokohama; Tadashi Mukai, Tokyo; Thuneo Takahashi, Thurugashima, all of Japan

[73] Assignee: Alps Electric Co., Ltd., Japan

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[58] Field of Search ..... 340/990, 995, 750, 798, 340/799; 358/105, 140, 93, 206, 103; 364/424, 460, 444, 448, 449; 353/12

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Primary Examiner—John W. Caldwell, Sr.

Assistant Examiner—Michael F. Heim

Attorney, Agent, or Firm—Guy W. Shoup

## [57] ABSTRACT

A course guidance system includes a direction sensor and a speed sensor both fitted to a moving body, a display mounted in the moving body and a map displayed in a manner corresponding to the display surface of the display and in which the present position of the moving body is derived by the direction sensor and the speed sensor and is plotted on the display in a manner corresponding to the map. The improvement comprises a locus memory for sequentially storing an X component value and a Y component value of the driving position based on a predetermined driving distance obtained from the speed sensor and on the driving position obtained from the direction sensor, a locus display memory for storing data in a manner corresponding to the display surface of the display, the data being obtained by reading the contents of the locus memory in a manner corresponding to the scale of reduction of the map, and a display for plotting the driving locus of the moving body on the display surface based on the contents of the locus display memory, wherein the data to be read when the contents of the locus memory is transferred to the locus display memory are divided into a plurality of groups each consisting of a data line to be read at a predetermined interval which are sequentially read and transferred, and the plotted line of the driving locus to be displayed is displayed sequentially and progressively from a rough display to a dense display.

6 Claims, 8 Drawing Figures

